

# **VERSION DESCRIPTION DOCUMENT FOR THE NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)**

Release 4.4

NASA-NPDMS-VDD-14

UNITeS Contract

August 6, 2004



National Aeronautics and  
Space Administration

**George C. Marshall Space Flight Center**  
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT FOR THE  
NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)  
RELEASE 4.4**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, ALABAMA

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
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## **1. INTRODUCTION**

This Version Description Document (VDD) describes the changes and installation procedures for this release of the NASA Property Disposal Management System (NPDMS). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

### **1.1 IDENTIFICATION OF THE RELEASE**

This software release is identified as NPDMS, Release 4.4 and has an effective release date of August 6, 2004.

### **1.2 PURPOSE OF THE RELEASE**

This release implements modifications for the following Change Control Requests (CCRs):

<u>CCR</u>	<u>Title</u>
495	NASA Form 811 document has been discontinued
496	NASA Form 811 has been discontinued and NASA Form 812 is only required for foreign disposal
499	Create a foreign property report
502	Create a laser version of the 1638
503	Error 1168 in ND3050PA
504	Add Term Sale Type

This release implements modifications necessitated by the following Discrepancy Reports (DRs):

<u>CCR</u>	<u>Title</u>
510	Fatal error on Case Review for case on history

### **1.3 SCOPE**

This VDD provides the functional and technical user of NPDMS with information regarding the content, status, and structure of Release 4.4, including the following:

- Changes implemented since Release 4.3.1;
- Validation procedures to ensure the reliability of release changes;
- References to other documentation affected by this release;
- Detailed software installation instructions.

No waivers are associated with this release.

#### **1.4 CONTACT POINTS**

Sustaining Engineering for NPDMS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the functional and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Use following Key Words: SESAAS & NPDMS)

Telephone: (256) 544-6673  
Email: [neal.cantrell@msfc.nasa.gov](mailto:neal.cantrell@msfc.nasa.gov)  
FAX: (256) 544-1836

## **2.0    FUNCTIONAL INFORMATION**

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

### **2.1    FUNCTIONAL CHANGES**

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT and SYSERR changes related to this release.

### **2.2    FUNCTIONAL INTERFACES**

This section is not applicable for this release.

### **2.3    CRITICAL ISSUES**

This section is not applicable for this release.

### **2.4    AFFECTED DOCUMENTS**

The following documents were changed for this release:

NPDMS User and Operations Guide (UOG)  
NPDMS Data Dictionary

### **2.5    APPLICATION SYSTEM ADMINISTRATION**

There are no application system administration changes associated with this release.



### **3.0    TECHNICAL INFORMATION**

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

#### **3.1    TECHNICAL SYSTEM INTERFACES**

There are no technical system interface issues with this release.

#### **3.2    DATA DICTIONARY CHANGES**

Refer to Appendix D, Section 4.1, for the data dictionary changes in this release.

#### **3.3    SOFTWARE OBJECT CHANGES**

Modules affected by this release are included in Appendix D, Section 2.2.

#### **3.4    DATABASE ADMINISTRATION**

This section describes the database administration activities for installation of this release.

##### **3.4.1   Release Dataset Names**

Refer to Appendix D, Introduction section, for the release dataset names.

##### **3.4.2   Inventory of Objects**

Refer to Appendix D, Section 2.1, for an inventory of Natural object types.

##### **3.4.3   Storage Considerations**

The changes represented by this release should not affect storage requirements.

##### **3.4.4   Installation Procedures**

Refer to Appendix D, Installation Instructions for NPDMS Software Release 4.4 for detailed software installation procedures.

### **3.5    OPERATIONAL PREPARATION**

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of this release.

#### **4.0    KNOWN AND OPEN PROBLEMS**

There are no known or open problems related to this release.

## **APPENDIX A - ABBREVIATIONS AND ACRONYMS**

CC	Consolidation Center
CCR	Change Control Request
DBA	Database Administrator
DR	Discrepancy Report
FAX	Electronic Facsimile Transmission
IRM	Information Resources Management
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
NEMS	NASA Equipment Management System
NPDMS	NASA Property Disposal Management System
SESAAS	Sustaining Engineering Support for Agencywide Application Services
UNITeS	Unified NASA Information Technology Services
VDD	Version Description Document

## **APPENDIX B - GLOSSARY**

### **Database Administration**

Responsibility for maintaining the physical database environment.

### **Implementation**

The process by which a NASA site installs a NASA software release and places it into operational use.

### **Operational Preparation**

Preparation by a NASA site for installation and use of a NASA application release.

### **System Administration**

Responsibility for administrative functions such as application security and table data maintenance associated with a NASA application.

## **APPENDIX C - FUNCTIONAL CHANGE VALIDATION PROCEDURES**

Index of validation procedures for changes in this release:

<b>Section</b>	<b>CCR</b>	<b>Title</b>
1.0	495	NASA Form 811 document has been discontinued
2.0	496	NASA Form 811 has been discontinued and NASA Form 812 is only required for foreign disposal
3.0	499	Create a foreign property report
4.0	502	Create a laser version of the 1638
5.0	503	Error 1168 in ND3050PB
6.0	504	Add Term Sale Type
7.0	510	Fatal error on Case Review for case on history

Details for the validation procedures follow:

### **1.0 CCR 495 – NASA Form 811 document has been discontinued**

NPDMS needs to be updated to remove the option to print a NASA Form 811 document.

#### **Description of Change**

Code was changed to remove the NASA Form 811 document.

#### **Functional Impact**

There is no functional impact as a result of this CCR.

#### **Validation Procedures**

- Try to schedule the 012 (NASA Form 811) from the On Request Reports Menu.  
Expected Results: Report 012 will no longer appear on the On Request Reports Menu.
- Try to mark Print NASA 811 from the ND5100MB - "Mark the document(s) you wish printed" from the Add or Change case processes.  
Expected Results: Print NASA 811 will not appear as an available option.

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<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND4110AA		PDA
ND4110LA		LDA
ND4110MB		Map
ND4110PA	On-Line Add	Program
ND4110TB	On-Line Add Documentation	Text
ND4210AA		PDA
ND4210AB		PDA
ND4210NA	Case Modification Check	Subpgm
ND4210PA	On-Line Change	Program
ND4210TB	On-Line Change Documentation	Text
ND4700LA		LDA
ND5100MB		Map
ND5100PA	Process add, change, or delete freeze transaction	Program
ND5102PA	Receipt T02	Program
ND5202PA	Receipt Reversal	Program
NDCASELA		LDA
NDCASELB		LDA
NDCASELC		LDA
NDCASHLA		LDA
NDCASHLB		LDA
NDR016AA		PDA
NDR016LA		LDA
NDR016PC	Daily Transaction Report Transaction Verification	Program
NDR220GL		GDA

NDR220PA	Archive History Files	Program
NDR240MA		Map
NDR240MB		Map
NDR240MC		Map
NDR240PA	NASA Form 821, Determination for Authorization to Abandon or Destroy Surplus Property	Program
NDSCRNLA		LDA
NDSCRNLB		LDA
NDTX02LA		LDA
NDTXA5LA		LDA
NDTXABLA		LDA
NDTXAELA		LDA
NDTXAFLA		LDA
NDTXALA		LDA
NDTXARLA		LDA
NDTXATLA		LDA
NDTXHBLA		LDA
NDTXHELA		LDA
NDTXHLA		LDA
NDTXNHLA		LDA
NDTXNLA		LDA
NDTXWKLA		LDA
NDX471NA	Store Old Case Item to History File	Subpgm
NDX500PA	Performs Edits	Program
NDXDOCSA	Print Document Data Entry	Subrtn

**2.0 CCR 496 – NASA Form 811 has been discontinued and NASA Form 812 is only required for foreign disposal.**

Since the discontinuation of the NASA Form 811, another document is required for the PDO to approve abandonment and destruction actions on property coded 'S' or 'X'. Property disposal review board approval on Form 812 is no longer required for abandonment and destruction of property, and Form 812 is only required for foreign disposal.

**Description of Change**

Code was changed to add the 240 (Abandonment or Destruction Approval Document).

**Functional Impact**

There is no functional impact as a result of this CCR.

**Validation Procedures**

- Schedule the 240 (Abandonment or Destruction Approval Document) from the On Request Reports Menu.  
Expected Results: Report 240 will appear on the On Request Reports Menu.
- Try to schedule the Print Abandonment/Destruction Approval Doc from the ND5100MB - "Mark the document(s) you wish printed" from the Add or Change case processes.  
Expected Results: Print Abandonment/Destruction Approval Doc will appear as an available option.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND4110AA		PDA
ND4110LA		LDA
ND4110MB		Map
ND4110PA	On-Line Add	Program
ND4110TB	On-Line Add Documentation	Text
ND4210AA		PDA
ND4210AB		PDA
ND4210NA	Case Modification Check	Subpgm
ND4210PA	On-Line Change	Program
ND4210TB	On-Line Change Documentation	Text
ND4700LA		LDA
ND5100MB		Map
ND5100PA	Process add, change, or delete freeze transaction	Program
ND5102PA	Receipt T02	Program
ND5202PA	Receipt Reversal	Program
NDCASELA		LDA
NDCASELB		LDA
NDCASELC		LDA
NDCASHLA		LDA



NDCASHLB		LDA
NDR016AA		PDA
NDR016LA		LDA
NDR016PC	Daily Transaction Report Transaction Verification	Program
NDR220GL		GDA
NDR220PA	Archive History Files	Program
NDR240MA		Map
NDR240MB		Map
NDR240MC		Map
NDR240PA	NASA Form 821, Determination for Authorization to Abandon or Destroy Surplus Property	Program
NDSCRNLA		LDA
NDSCRNLB		LDA
NDTX02LA		LDA
NDTXA5LA		LDA
NDTXABLA		LDA
NDTXAELA		LDA
NDTXAFLA		LDA
NDTXALA		LDA
NDTXARLA		LDA
NDTXATLA		LDA
NDTXHBLA		LDA
NDTXHELA		LDA
NDTXHLA		LDA
NDTXNHLA		LDA
NDTXNLA		LDA
NDTXWKLA		LDA
NDX471NA	Store Old Case Item to History File	Subpgm
NDXDOCSA	Print Document Data Entry	Subrtn

### **3.0 CCR 499 – Create a foreign property report**

A report of foreign property similar to the domestic property report does not exist.

#### **Description of Change**

Code was added to create a monthly (309) and yearly (310) foreign property reports.

#### **Functional Impact**

There is no functional impact as a result of this CCR.

#### **Validation Procedures**

- Schedule and run the 309 report.  
Expected Results: The 309 report should run successfully and include only foreign property.
- Schedule and run the 310 report.  
Expected Results: The 310 report should run successfully and include only foreign property.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR309MA		Map
NDR309MB		Map
NDR309MC		Map
NDR309MD		Map
NDR309ME		Map
NDR309MF		Map
NDR309MG		Map
NDR309MH		Map
NDR309MI		Map
NDR309MJ		Map
NDR309MK		Map
NDR309PA	623 Monthly report of utilization and disposal of surplus NASA property (excluding domestic and exchange/sale property	Program
NDR309PB	623 Monthly report of utilization and disposal of surplus NASA property (excluding domestic and exchange/sale property	Program
NDR309PC	623 Monthly report of utilization and disposal of surplus NASA property (excluding domestic and exchange/sale property	Program
NDR309PD	623 Monthly report of utilization and disposal of surplus NASA property (excluding domestic and exchange/sale property	Program
NDR309PE	623 Monthly I report of utilization and disposal of surplus NASA property (excluding domestic and exchange/sale property	Program

NDR310MA		Map
NDR310MB		Map
NDR310MC		Map
NDR310MD		Map
NDR310ME		Map
NDR310MF		Map
NDR310MG		Map
NDR310MH		Map
NDR310MI		Map
NDR310MJ		Map
NDR310MK		Map
NDR310PA	623 Annual report of utilization and disposal of surplus NASA property (excluding domestic and exchange/sale property	Program
NDR310PB	623 Annual report of utilization and disposal of surplus NASA property (excluding domestic and exchange/sale property	Program
NDR310PC	623 Annual report of utilization and disposal of surplus NASA property (excluding domestic and exchange/sale property	Program
NDR310PD	623 Annual report of utilization and disposal of surplus NASA property (excluding domestic and exchange/sale property	Program
NDR310PE	623 Annual report of utilization and disposal of surplus NASA property (excluding domestic and exchange/sale property	Program
NDT121LA		LDA
NDT126LA		LDA
NDUBALPA	Utility to reset 623 balances	Program

#### **4.0 CCR 502 – Create a laser version of the 1638**

NASA Form 1638 is difficult and costly to modify.

##### **Description of Change**

Code was changed to allow printing of the 1638 to a laser printer either in batch or on demand. The bar code labels associated with the 1638 can also be printed.

##### **Functional Impact**

Six barcode formats have been developed for the 1638 form and labels as follows:

1. 14 byte barcode containing the 6 byte FEDAAC code and 8 byte CASE number.
2. 14 byte barcode containing the 6 byte FEDAAC code and 8 byte CASE number with the ITEM ID displayed on the right but not barcoded.
3. 10 byte barcode containing the 8 byte CASE number and the 2 byte ITEM ID.
4. 8 byte barcode containing the 8 byte CASE number only.
5. 8 byte barcode containing the 8 byte CASE number only with the ITEM ID displayed on the right but not barcoded
6. 16 byte barcode containing the 6 byte FEDAAC code, 8 byte CASE number and 2 byte ITEM ID.

NOTE: The display of the ITEM ID to the right of the barcode as described in options 2 and 5 above relates to the labels only, not the 1638 form where the ITEM ID appears in the top right corner of the form in the CASE NO box.

The formats are controlled by the value (1 through 6 as listed above) in +NDR151NA-BARCODE-FORMAT, an independent variable, in program NDR151NA.

##### **Validation Procedures**

- Schedule and run report 151 (1638 IDLE PERSONAL PROPERTY PICKUP AUTH (BATCH/LASER PRTR).  
Expected Results: 1638 forms and associated bar codes will be printed to the designated printer.
- Schedule and run report 152 (1638 IDLE PERSONAL PROPERTY PICKUP AUTH (REAL TIME/LASER PRTR).  
Expected Results: 1638 forms and associated bar codes will be printed to the designated printer.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND0000NA	Blank Page PCL	Subpgm

ND1638NA	FORM 1638 PCL	Subpgm
ND1638NB	Barcode labels for 1638 PCL (Barcode Labels)	Subpgm
ND1638NC	Barcode label grid for 1638 PCL Test Print	Subpgm
ND1638ND	Barcodes on 1638 PCL form	Subpgm
ND2200PA	On Request Reports Selection	Program
NDFASCPA	ASCII Trigger	Program
NDFCNVNA	Convert EBCDIC to ASCII	Subpgm
NDFNASNA	NASA Logo for PCL	Subpgm
NDPCLBNA	PCL Banner	Subpgm
NDPCLFNA	PCL Page Flush Subroutine	Subpgm
NDPCLWNA	Write General Output Using Correct Format	Subpgm
NDR151NA	NF-1638 Idle Personal Property Pickup Authorization Generation	Subpgm
NDR151PA	NF-1638 Idle Personal Property Pickup Authorization Generation	Program
NDR152MA		Map
<b>NDR152NA</b>	<b>Form 1638 On Demand Request Screen</b>	<b>Subpgm</b>
NDR152PA	Form 1638 On Demand Request Screen	Program
NDR152PB	Form 1638 On Demand Request Screen	Program

### **5.0 CCR 503 – Error 1168 in ND3050PB**

2 centers have reported receiving error 1168 (Invalid window start line) while browsing table 050 and trying to display the Additional Data 2 window.

#### **Description of Change**

Code was changed to move the window up on the screen.

#### **Functional Impact**

There is no functional impact as a result of this CCR.

#### **Validation Procedures**

- Browse table 050 (Center Profile Table) and Display your center's table record.  
Expected Results: A window for the Center Profile Table – Additional Data 1 followed by a window for the Center Profile Table – Additional Data 2 and then back to the Center Profile Browse screen.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND3050PB	Browse ND-Table Center Profile	Program

## **6.0 CCR 504 – Add Term Sale Type**

There is not a sale type for a term sale in NPDMS. This type of sale is needed to dispose of items that are picked up on a set timeframe by a contractor.

### **Description of Change**

Code was changed to add a Term Sale type and to add an option to correct the sale amount after the sale/lot has been awarded.

### **Functional Impact**

There is no functional impact as a result of this CCR.

### **Validation Procedures**

- Add a Local Sale with a Sale Method of Term (6).  
Expected Results: Add will be successful.
- Add a GSA Sale with a Sale Method of Term (6).  
Expected Results: Add will be successful.
- Change a Local Sale with a Sale Method that is not 6 to a Term Sale (6).  
Expected Results: Change will be successful.
- Change a GSA Sale with a Sale Method that is not 6 to a Term Sale (6).  
Expected Results: Change will be successful.
- Add an Awardee for a Local Sale with a Term Sale Method.  
Expected Results: Awardee add will be successful.
- Add an Awardee for a GSA Sale with a Term Sale Method.  
Expected Results: Awardee add will be successful.
- Add a lot to an existing Local Sale with a Term Sale Method. All lots for this sale must be on the Case History file.  
Expected Results: Adding a new lot will be successful.
- Add a lot to an existing GSA Sale with a Term Sale Method. All lots for this sale must be on the Case History file.  
Expected Results: Adding a new lot will be successful.
- Add a lot to an existing Local Sale with a Term Sale Method. Lots for this sale must be on the Case file.  
Expected Results: Adding a new lot will be successful.
- Add a lot to an existing GSA Sale with a Term Sale Method. Lots for this sale must be on the Case file.  
Expected Results: Adding a new lot will be successful.
- Reverse a Local Sale with a Term Sale Method.  
Expected Results: Reversal of the sale will be successful.
- Reverse a GSA Sale with a Term Sale Method.  
Expected Results: Reversal of the sale will be successful.
- Change the Sale Amount for a Local Sale with a Term Sale Method.  
Expected Results: Changing the Sale Amount for the lot will be successful.
- Change the Sale Amount for a GSA Sale with a Term Sale Method.  
Expected Results: Changing the Sale Amount for the lot will be successful.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND4900MA		Map
ND4900PA	Sales Process Menu	Program
ND4910MA		Map
ND4910PA	Add Sale Lots	Program
ND4920MA		Map
ND4920MB		Map
ND4920PA	Change Sale/Lots	Program
ND4935MA		Map
ND4935PA	Change Proceeds Amount	Program
NDN000XA	NPDMS Command Processor	Procsr



### **7.0 CCR 510 – Fatal error on Case Review for case on history**

A fatal error (3095 – Format/Length conflict in parameter) is received when doing a Case Review for a case that is on the ND-CASE-HIST file.

#### **Description of Change**

Code was changed to correct the length of the #SCR-GSA-PHOTOS-IND field.

#### **Functional Impact**

There is no functional impact as a result of this CCR.

#### **Validation Procedures**

- Perform a case review on a case that is on the history file. Go to Case Review Screen 2 to display the Pictures field.  
Expected Results: Case Review Screen 2 should be displayed successfully.

---

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND4000PB	Case Review - History	Program

## **APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 4.4**

### **Introduction**

Release information:

System Name: NPDMS  
Release Number: 4.4  
Release Date: August 6, 2004  
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center (Use following Key Words: SESAAS & NPDMS)

Telephone: (256) 544-6673  
Email: [neal.cantrell@msfc.nasa.gov](mailto:neal.cantrell@msfc.nasa.gov)  
FAX: (256) 544-1836

The following datasets are located on the transient storage DASD volumes under the following data sets names:

MSMOV.NPDMS.PROD.R440.R0804.ERR  
MSMOV.NPDMS.PROD.R440.R0804.SRC  
MSMOV.NPDMS.PROD.R440.R0804.NCP  
XXMOV.NPDMS.PROD.R440.R0804.PRD

Where "xx" is replaced by the appropriate NASA Center designation.

AR - ARC  
DF - DFRC  
GS - GSFC  
HQ - HQ  
J5 - JSC  
KS - KSC  
LA - LaRC  
LE - GRC (Glenn)  
MS - MSFC  
SS - SSC

## **Installation Sequence**

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in Section 9.0 to assist in tracking the installation of this release.

- 1.0 Back Up Existing Data
- 2.0 Copy Source
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Perform Release-Specific Procedures
- 8.0 Local JCL Mods
- 9.0 Installation Checklist

### **1.0 Back Up Existing Data**

It is advisable to back up all NPDMS files as a precautionary measure prior to installation.

### **2.0 Copy Source**

This will be performed by SESAAS for the core modules. Any changes for site unique versions of these modules will be performed by the centers.

#### **2.1 Copy Source Code**

Load the NPDMS source library from following datasets:

MSMOV.NPDMS.PROD.R440.R0804.SRC.

MSMOV.NPDMS.PROD.R440.R0804.NCP.

The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NPDMS, replacing any existing programs of the same name. Object code is also unloaded for the Command Processor NDN000XA.

The source module counts included in this release are listed below:

Natural Source Modules by Type	Count
GLOBAL DATA AREA	1
LOCAL/PARAM DATA AREA	30
MAPS	33
HELP ROUTINES	0
SUBROUTINES	1
SUBPROGRAMS	14
PROGRAMS	32
COPYCODE	0
TEXT	2
PROCESSOR	1
MISCELLANEOUS OBJECTS	0
Total:	114

## 2.2 List of Source Code Modifications

The following are the modules added, modified, and deleted.

### Added Modules:

1. ND0000NA Subpgm
2. ND1638NA Subpgm
3. **ND1638NB Subpgm**
4. ND1638NC Subpgm
5. **ND1638ND Subpgm**
6. ND4935MA Map
7. ND4935PA Program
8. NDFASCPA Program
9. NDFCNVNA Subpgm
10. NDFNASNA Subpgm
11. NDPCLBNA Subpgm
12. NDPCLFNA Subpgm
13. NDPCLWNA Subpgm
14. **NDR151NA Subpgm**
15. NDR151PA Program
16. NDR152MA Map
17. **NDR152NA Subpgm**
18. NDR152PA Program
19. NDR152PB Program
20. NDR240MA Map
21. NDR240MB Map

22.NDR240MC	Map
23.NDR240PA	Program
24.NDR309MA	Map
25.NDR309MB	Map
26.NDR309MC	Map
27.NDR309MD	Map
28.NDR309ME	Map
29.NDR309MF	Map
30.NDR309MG	Map
31.NDR309MH	Map
32.NDR309MI	Map
33.NDR309MJ	Map
34.NDR309MK	Map
35.NDR309PA	Program
36.NDR309PB	Program
37.NDR309PC	Program
38.NDR309PD	Program
39.NDR309PE	Program
40.NDR310MA	Map
41.NDR310MB	Map
42.NDR310MC	Map
43.NDR310MD	Map
44.NDR310ME	Map
45.NDR310MF	Map
46.NDR310MG	Map
47.NDR310MH	Map
48.NDR310MI	Map
49.NDR310MJ	Map
50.NDR310MK	Map
51.NDR310PA	Program
52.NDR310PB	Program
53.NDR310PC	Program
54.NDR310PD	Program
55.NDR310PE	Program

**Changed Modules:**

1. ND2200PA	Program
2. ND3050PB	Program
3. ND4000PB	Program
4. ND4110AA	PDA
5. ND4110LA	LDA

6. ND4110MB	Map
7. ND4110PA	Program
8. ND4110TB	Text
9. ND4210AA	PDA
10. ND4210AB	PDA
11. ND4210NA	Subpgm
12. ND4210PA	Program
13. ND4210TB	Text
14. ND4700LA	LDA
15. ND4900MA	Map
16. ND4900PA	Program
17. ND4910MA	Map
18. ND4910PA	Program
19. ND4920MA	Map
20. ND4920MB	Map
21. ND4920PA	Program
22. ND5100MB	Map
23. ND5100PA	Program
24. ND5102PA	Program
25. ND5202PA	Program
26. NDCASELA	LDA
27. NDCASELB	LDA
28. NDCASELC	LDA
29. NDCASHLA	LDA
30. NDCASHLB	LDA
31. NDN000XA	Procsr
32. NDO000PA	Program
33. NDR016AA	PDA
34. NDR016LA	LDA
35. NDR016PC	Program
36. NDR220GL	GDA
37. NDR220PA	Program
38. NDSCRNLA	LDA
39. NDSCRNLB	LDA
40. NDT121LA	LDA
41. NDT126LA	LDA
42. NDTX02LA	LDA
43. NDTXA5LA	LDA
44. NDTXABLA	LDA
45. NDTXAELA	LDA
46. NDTXAFLA	LDA
47. NDTXALA	LDA
48. NDTXARLA	LDA

49. NDTXATLA	LDA
50. NDTXHBLA	LDA
51. NDTXHELA	LDA
52. NDTXHLA	LDA
53. NDTXNHLA	LDA
54. NDTXNLA	LDA
55. NDTXWKLA	LDA
56. NDUBALPA	Program
57. NDX471NA	Subpgm
58. NDX500PA	Program
59. NDXDOCSA	Subrtn

#### **Deleted Modules:**

None

### **3.0 Pre-Predict Data Conversion**

Not Applicable

### **4.0 Install Predict**

This will be performed by SESAAS on the consolidated files.

#### **4.1 Data Dictionary Changes**

This release will include the new enhancements for Version 4.4.0. Details for changes in this release can be found under Section 4.1.3 Physical File Changes or by performing Predict reporting on the keyword NPDMS-4.4.0.

Use SYSDICBE to load the PREDICT modifications from the dataset:  
xxMOV.NPDMS.PROD.R440.R0804.PRD.

The following NPDMS DDMs should be generated after the PREDICT load is completed:

ND-CASE  
ND-CASE-HIST  
ND-TRANS-HIST  
ND-TRANSACTION

#### **4.1.1 Inventory of Objects**

The object types and inventory listed below represent a comprehensive count of the Predict object modules for this release.

**PREDICT Objects by Type:**

Keyword	-	1
Standard/Help files	-	1
ADABAS Files and Views	-	4

**4.1.2 Storage Considerations**

Not applicable with this release.



### 4.1.3 Physical File Changes

Add the following fields:

ND-CASE		File #	248						
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
1		ABND-DSTRCTN-DOC-IND	A	1.0				GN	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=248
ADADBS FNDEF='01,GN,1,A,NU'
/*
```

ND-CASE-HIST		File #	252						
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
1		ABND-DSTRCTN-DOC-IND	A	1.0				GC	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=252
ADADBS FNDEF='01,GC,1,A,NU'
/*
```

ND-TRANS-HIST		File #	251						
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
1		ABND-DSTRCTN-DOC-IND	A	1.0				JP	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=251
ADADBS FNDEF='01,JP,1,A,NU'
/*
```

ND-TRANSACTION				File #	250					
Ty	L	Field	ID	F	Length	Occ	D	U	DB	S
*-	-	-----	-----	*-	-----	-----	*	*	--	*
	1	ABND-DSTRCTN-DOC-IND		A	1.0				JO	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=250
ADADBS FNDEF='01,JO,1,A,NU'
/*
```

## 5.0 Catalog Source Code

To be performed by the SESAAS DBA.

Run a batch job to catalog (CATALL) all modules in the NPDMS or other named library.  
**IT IS NECESSARY** to catalog the NDR220GL Global Data Area.

After all objects are compiled, the NPDMS application will run under the NASA On-line Standard Parameter.

## 6.0 Post-Predict Data Conversion

Not Applicable

## **7.0 Perform Release-Specific Procedures**

### **7.1 Load Natural Error Messages**

This step will be performed by SESAAS.

Load error messages from the NASA Distribution data set MSMOV.NPDMS.PROD.R440.R0804.ERR, using the NATURAL SYSERR utility ERRLODUS. This release contains 817 error messages, which will load to the library NPDMS. For additional information concerning SYSERR, refer to the NATURAL 2 Administrator's Manual.

### **7.2 Add reports 151, 152, 240, 309, and 310**

This step will be performed by SESAAS.

**Job Type Determination** : R  
**Report/Maintenance Job No** : 151  
**Report Execution Sequence No:** \*100  
**Allow Immediate Submission** : N  
**Description:** 1638 IDLE PERSONAL PROPERTY PICKUP AUTH (BATCH/LASER PRTR)  
**Start Date** : \_  
**End Date** : \_

**Job Type Determination** : R  
**Report/Maintenance Job No** : 152  
**Report Execution Sequence No:** \*100  
**Allow Immediate Submission** : N  
**Description:** 1638 IDLE PERSONAL PROPERTY PICKUP AUTH (REAL TIME/LASER PRTR)  
**Start Date** : \_  
**End Date** : \_

**Job Type Determination** : R  
**Report/Maintenance Job No** : 240  
**Report Execution Sequence No:** \*100  
**Allow Immediate Submission** : N  
**Description:** ABANDONMENT OR DESTRUCTION APPROVAL DOCUMENT  
**Start Date** : O  
**End Date** : B

**Job Type Determination** : R  
**Report/Maintenance Job No** : 309  
**Report Execution Sequence No:** \*100  
**Allow Immediate Submission** : N  
**Description:** 623 MONTHLY REPORT OF UTILIZATION/DISPOSAL OF FOREIGN PROPERTY

**Start Date :** O

**End Date :** B

**Job Type Determination :** R

**Report/Maintenance Job No :** 310

**Report Execution Sequence No:** \*100

**Allow Immediate Submission :** N

**Description:** 623 ANNUAL REPORT OF UTILIZATION/DISPOSAL OF FOREIGN PROPERTY

**Start Date :** O

**End Date :** B

### 7.3 Remove report 012

This step will be performed by SESAAS.

Delete report 012 (NASA Form 811 – Classification of Property as Scrap or Salvage) from table 055.

### 7.4 1638 Implementation Notes (Reports 151 & 152)

1. Copy the barcode fonts in AGCAM.NPDMDD.BC39 to a site unique QSAM dataset for use in the following JCL.
2. Add the following to the NPDMS JCL dataset ensuring:
  - a. The correct proc is entered for JS010 for both jobs.
  - b. The correct audit dataset is used in JS010.CMWKF31 for NDR151PA.
  - c. That JS010.CMOBJIN points to the correct dataset containing the appropriate library, batch Userid and password for NDR151PA.
  - d. That JS020.SYSUT1 points to the barcode font dataset (above) for both jobs.
  - e. That JCL terminators // are included at the end of both jobs (critical).
  - f. Update the tray number on line 140R151PA1180 appropriately for the tray that will contain the label sheets where 1 = manual feed, 2 = default, 3 = lower tray (if available.)
  - g. The SENDMAIL step is meant to inform a printer operator to release the 151 output from a hold queue. If the output is sent to a Xerox or any machine with an operator other than the person initiating the report be sure to update the output class from U to 9 and enter the correct email address for the operator. The SENDMAIL step may be removed if not required.

*(The formatting of line 140R151PA1180 is critical with five spaces after '#ISN#' without which the job will fail.)*

```
140R151PA1005  //
140R151PA1007  //*****  NDR151PA  *****

140R151PA1010  //*
140R151PA1020  //JS010    EXEC  ****, DD= 'DD=+0 '
140R151PA1030  //CMPRINT    DD  SYSOUT=*
```

```

140R151PA1040 //CMWK01 DD DSN=&&TEMP1,
140R151PA1050 // DISP=(NEW,PASS,DELETE),
140R151PA1060 // UNIT=(SYSDA),
140R151PA1070 // SPACE=(CYL,(3,1),RLSE),
140R151PA1080 // DCB=(RECFM=FB,LRECL=80,BLKSIZE=0)
140R151PA1090 //CMWK02 DD DSN=&&TEMP2,
140R151PA1100 // DISP=(NEW,PASS,DELETE),
140R151PA1110 // UNIT=(SYSDA),
140R151PA1120 // SPACE=(CYL,(3,1),RLSE),
140R151PA1130 // DCB=(RECFM=FB,LRECL=80,BLKSIZE=0)
140R151PA1140 //CMWK31 DD DSN=*.NPDMDD.*.BATCH.AUDIT,
140R151PA1150 // DISP=(MOD,CATLG,KEEP)
140R151PA1160 //CMOBJIN DD DSN=*.NPDMDD.*.PSWDLIB,DISP=SHR
140R151PA1170 //CMSYNIN DD *
140R151PA1180 NDR151PA #ISN# ,1
140R151PA1190 //*
140R151PA1200 //JS020 EXEC PGM=IEBGENER
140R151PA1210 /*OUTPUT 1638 DEST=#DEST#,FORMS=1638
140R151PA1220 //SYSUT1 DD DSN=*.NPDMDD.BC39,DISP=SHR
140R151PA1230 //SYSUT2 DD SYSOUT=(U,,1638)
140R151PA1240 //SYSPRINT DD SYSOUT=*
140R151PA1250 //SYSIN DD *
140R151PA1260 //*
140R151PA1270 //JS030 EXEC PGM=IEBGENER
140R151PA1280 /*OUTPUT 1638 DEST=#DEST#,FORMS=1638
140R151PA1290 //SYSUT1 DD DSN=&&TEMP1,DISP=(OLD,DELETE,DELETE)
140R151PA1300 // DD DSN=&&TEMP2,DISP=(OLD,DELETE,DELETE)
140R151PA1310 //SYSUT2 DD SYSOUT=(U,,1638)
140R151PA1320 //SYSPRINT DD SYSOUT=*
140R151PA1330 //SYSIN DD *
140R151PA1340 //*
140R151PA1350 //SENDMAIL EXEC PGM=IEBGENER
140R151PA1360 //SYSIN DD DUMMY
140R151PA1370 //SYSUT2 DD SYSOUT=(B,SMTP)
140R151PA1380 //SYSOUT DD SYSOUT=*
140R151PA1390 //SYSPRINT DD SYSOUT=*
140R151PA1400 //SYSUT1 DD *
140R151PA1410 HELO MSFC.NASA.GOV
140R151PA1420 MAIL FROM:<SOME.YAHOO@MSFC.NASA.GOV>
140R151PA1430 RCPT TO:<JOE.BOGAN@MSFC.NASA.GOV>
140R151PA1440 DATA
140R151PA1450 SUBJECT: 1638 ON UDTPL READY FOR RELEASE
140R151PA1460 PLEASE RELEASE 1638 FORMS ON UDTPL TO CLASS U.
140R151PA1470 THANK YOU.
140R151PA1480 //

```

*(The formatting of line 140R152PA1160 is critical with five spaces after '#ISN#' without which the job will fail. This code must and will fit on one line in the TSO editor.)*

```

140R152PA1005  //*
140R152PA1010  /*******  NDR152PA  *****/

140R152PA1015  //*
140R152PA1020  //JS010    EXEC  ????, DD='DD=+0 '
140R152PA1030  //CMPRINT    DD  SYSOUT=*
140R152PA1040  //CMWKF01    DD  DSN=&&TEMP1,
140R152PA1050  //                      DISP=(NEW,PASS,DELETE),
140R152PA1060  //                      UNIT=(SYSDA),
140R152PA1070  //                      SPACE=(CYL,(3,1),RLSE),
140R152PA1080  //                      DCB=(RECFM=FB,LRECL=80,BLKSIZE=0)
140R152PA1090  //CMWKF02    DD  DSN=&&TEMP2,
140R152PA1100  //                      DISP=(NEW,PASS,DELETE),
140R152PA1110  //                      UNIT=(SYSDA),
140R152PA1120  //                      SPACE=(CYL,(3,1),RLSE),
140R152PA1130  //                      DCB=(RECFM=FB,LRECL=80,BLKSIZE=0)
140R152PA1140  //CMOBJIN    DD  DSN=*.NPDMDD.*.PSWDLIB,DISP=SHR
140R152PA1150  //CMSYNIN    DD  *
140R152PA1160  NDR152PB #ISN#           ,#FORMS#,#LABEL#,#START#,#TRAY#,#GRID#
140R152PA1170  //*
140R152PA1180  //JS020    EXEC  PGM=IEBGENER
140R152PA1190  /*OUTPUT 1638 DEST=##DEST##,FORMS=1638
140R152PA1200  //SYSUT1    DD  DSN=*.NPDMDD.BC39,DISP=SHR
140R152PA1210  //SYSUT2    DD  SYSOUT=(U,,1638)
140R152PA1220  //SYSPRINT  DD  SYSOUT=*
140R152PA1230  //SYSIN     DD  *
140R152PA1240  //*
140R152PA1250  //JS030    EXEC  PGM=IEBGENER
140R152PA1260  /*OUTPUT 1638 DEST=##DEST##,FORMS=1638
140R152PA1270  //SYSUT1    DD  DSN=&&TEMP1,DISP=(OLD,DELETE,DELETE)
140R152PA1280  //                      DD  DSN=&&TEMP2,DISP=(OLD,DELETE,DELETE)
140R152PA1290  //SYSUT2    DD  SYSOUT=(U,,1638)
140R152PA1300  //SYSPRINT  DD  SYSOUT=*
140R152PA1310  //SYSIN     DD  *
140R152PA1320  //

```

## 8.0 Local JCL Mods

Bold Lines below are added or modified lines:

```
140R220PA2001 //CMWK01 DD DSN=MSIRM.NPDMDD.CASE.ARCH1,
140R220PA2002 // DISP=(OLD,KEEP,KEEP),
140R220PA2003 // DCB=(RECFM=FB,LRECL=1881,BLKSIZE=3762),
140R220PA2004 // SPACE=(CYL,(40,20),RLSE),
140R220PA2005 // UNIT=SYSDA
140R220PA2006 //CMWK02 DD DSN=MSIRM.NPDMDD.TRANS.ARCH1,
140R220PA2007 // DISP=(OLD,KEEP,KEEP),
140R220PA2008 // DCB=(RECFM=FB,LRECL=3687,BLKSIZE=3687),
140R220PA2009 // SPACE=(CYL,(40,20),RLSE),
140R220PA2010 // UNIT=SYSDA
140R220PA2011 //CMWK03 DD DSN=MSIRM.NPDMDD.TEXT.ARCH1,
140R220PA2012 // DISP=(OLD,KEEP,KEEP),
140R220PA2013 // DCB=(RECFM=FB,LRECL=7004,BLKSIZE=7004),
140R220PA2014 // SPACE=(CYL,(40,20),RLSE),
140R220PA2015 // UNIT=SYSDA

140R309PA2001 //CMPRT03 DD SYSOUT=(,),OUTPUT=(*.#DEST#),COPIES=#COPIES#
140R309PA2002 //CMPRT04 DD SYSOUT=(,),OUTPUT=(*.#DEST#),COPIES=#COPIES#
140R309PA2003 //CMWK01 DD DSN=&&NDR309A,SPACE=(TRK,(20,10),RLSE),
140R309PA2004 // UNIT=SYSDA
140R309PA2005 //CMWK02 DD DSN=&&NDR309B,SPACE=(TRK,(20,10),RLSE),UNIT=SYSDA
140R309PA2501 //CMPRINT DD SYSOUT=(,),OUTPUT=(*.#DEST#),COPIES=#COPIES#
140R309PA2502 //CMPRT01 DD DSN=#FILENAME#,
140R309PA2503 // DISP=OLD
140R309PA2504 //CMPRT03 DD DSN=#FILENAME#,
140R309PA2505 // DISP=OLD
140R309PA2506 //CMPRT04 DD DSN=#FILENAME#,
140R309PA2507 // DISP=OLD
140R309PA2508 //CMWK01 DD DSN=&&NDR309A,SPACE=(TRK,(20,10),RLSE),
140R309PA2509 // UNIT=SYSDA
140R309PA2510 //CMWK02 DD DSN=&&NDR309B,SPACE=(TRK,(20,10),RLSE),UNIT=SYSDA
140R310PA2001 //CMPRT03 DD SYSOUT=(,),OUTPUT=(*.#DEST#),COPIES=#COPIES#
140R310PA2002 //CMPRT04 DD SYSOUT=(,),OUTPUT=(*.#DEST#),COPIES=#COPIES#
140R310PA2003 //CMWK01 DD DSN=&&NDR310A,SPACE=(TRK,(80,40),RLSE),UNIT=SYSDA
140R310PA2004 //CMWK02 DD DSN=&&NDR310B,SPACE=(TRK,(80,40),RLSE),UNIT=SYSDA
140R310PA2501 //CMPRINT DD SYSOUT=(,),OUTPUT=(*.#DEST#),COPIES=#COPIES#
140R310PA2502 //CMPRT01 DD DSN=#FILENAME#,
140R310PA2503 // DISP=OLD
140R310PA2504 //CMPRT03 DD DSN=#FILENAME#,
140R310PA2505 // DISP=OLD
140R310PA2506 //CMPRT04 DD DSN=#FILENAME#,
```

```
140R310PA2507  //                      DISP=OLD
140R310PA2508  //CMWK01 DD DSN=&&NDR310A,SPACE=(TRK,(80,40),RLSE),UNIT=SYSDA
140R310PA2509  //CMWK02 DD DSN=&&NDR310B,SPACE=(TRK,(80,40),RLSE),UNIT=SYSDA
```

## **9.0 Installation Checklist**

- 1.0 Back Up Existing Data
- 2.0 Copy Source
  - 2.1 Copy Source Code
  - 2.2 List of Source Code Modifications
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
  - 4.1 Data Dictionary Changes
    - 4.1.1 Inventory of Objects
    - 4.1.2 Storage Considerations
    - 4.1.3 Physical File Changes
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Perform Release Specific Procedures
  - 7.1 Load Natural Error Messages
  - 7.2 Add reports 309 and 310
- 8.0 Local JCL Mods